

The Chart

Missouri Southern State College, Joplin, MO 64801-1595
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30 offices receive inward dialing lines

Installation should be complete Monday, says Shipman

Officials of Southwestern Bell and American Telephone and Telegraph are now installing 30 direct inward dialing lines into the telephone system at the College, according to Dr. Paul Shipman, vice president for business affairs.

Installation is scheduled to be completed by Monday, unless shipment problems develop.

Until now, all calls to the College had to be routed through the PBX switchboard, and problems occurred when too many calls came in at once, or when no operator was on duty in the evenings or on weekends.

With direct inward dialing, callers will be able to call directly to the 30 stations receiving the new lines, bypassing the switchboard.

Shipman said the new lines have several advantages.

"First, it will attempt to help solve the PBX blockage from the outside so people can bypass that blockage and go directly to the locations they are calling," he said. "Second, by having direct inward dialing, people will be able to call in any hour of the day or night to reach these locations without the switchboard being open."

"Finally, this direct inward dialing system, unlike separate business lines some businesses use today, still has all of the special features we have on our regular phones, like transfer calling and three-party conference calling."

Those stations receiving direct inward dialing were determined on a basis of use and need, Shipman said.

Listings for the new lines will not be included in the Joplin telephone

book until July when the new books are distributed. The new numbers are listed below:

Central switchboard, 624-8100; Admissions, 625-9378 and 782-6772; Alumni-Development, 625-9396; Athletics, Men, 625-9317; Athletics, Women, 625-9316; Bookstore, 625-9380; Business Office, 625-9381; Crime Laboratory, 625-9382.

Computer Center, 625-9383; Continuing Education, 625-9384; Dean, School of Arts & Sciences, 625-9385; Dean, School of Business, 625-9319.

Dean, School of Education & Psychology, Teacher Certification, 625-9314; Dean, School of Technology, 625-9328; Dental Hygiene Clinic, 625-9379; Education Department, 625-9309.

Financial Aids & Scholarships,

625-9325; Grammar Hotline, English Department, 624-0171; Library, 625-9386; Maintenance, Physical Plant, 625-9387.

Mathematics & Sciences, 625-9376; Missouri Southern Foundation, 625-9396; MSTV, 625-9375; Music Department, 625-9318.

Placement Office, 625-9343; President's Office, 624-8181; Public Information, 625-9399; Purchasing, 625-9388.

Registrar & Records, 625-9389; Safety & Security, 625-9391; Student Services, 625-9392; Student Activities, 625-9320.

Swimming Pool & Racquetball, 625-9390; Theatre, 625-9393; Vice President, Academic Affairs, 625-9394; Vice President, Business Affairs, 625-9395.

Shipman said if these lines are busy, persons can still call through the main switchboard.

Society to honor donors at dinner

Hearnes will attend

Members of the Southern Lantern Society will be honored for their contributions to Missouri Southern at a 7:30 p.m. dinner tomorrow at the Holiday Inn.

The Missouri Southern Foundation will recognize individuals and corporations who have made substantial contributions to the College.

"The dinner is in honor of our donors," said Sue Billingsly, director of the Missouri Southern Foundation. "It is in appreciation for their continued support of the College."

Gilbert Roper, chairman of the Society's recognition committee, will welcome guests who include former governor Warren E. Hearnes and Congressman Gene Taylor. Former governor Christopher Bond and Governor John Ashcroft have also been invited.

Guests will view a 24-minute film highlighting the College's history from 1937 to the present. The film was produced by Richard Massa, head of the communications department at Southern, and the staff of Missouri Southern Television.

The purposes of the Southern Lantern Society are to stimulate continuing interest in and commitment to the College by alumni, friends, and corporations and to encourage substantial annual and deferred gifts to the College.

Members of the Society will be included in a permanent Hall of Honor in the Billingsly Student Center. Members will also be invited to attend meetings and special functions which will allow them to develop a closer relationship to the College.

Presiding at the dinner will be Fred Hughes, chairman of the executive policy committee. College President Julio Leon will be the speaker.

NAIA fails to approve two proposals

Leon says college presidents must take greater control to prevent problems

By Dave Griffith
Staff Writer

Holding its annual meeting in Kansas City last month, the National Association of Intercollegiate Athletics did not approve two proposals discussed the most.

Missouri Southern President Julio Leon and Jim Frazier, men's athletic director, attended the annual meeting. According to Leon, the proposals were (1) reducing the number of contests in football, men's and women's basketball, and baseball; and (2) reducing the number of scholarships to student-athletes.

"The teams in the northern part

of the country, particularly in baseball, because of the weather don't play as many games," said Leon, "and there has to be some kind of parity reached."

Concerning the scholarship reduction proposal, Leon said there was not a problem because the NAIA has two divisions, and Division I schools are allowed more scholarships than Division II schools. Southern is a Division I school.

Of the 16 proposals, the one with the most impact deals with the voting procedure. Wally Schwartz, associate executive director of the NAIA, said, "The proposal with the most 'meat' suggests that each col-

lege/university would have one vote and the college president would select a delegate."

Schwartz said the current method is really nothing more than a screening committee. This committee selects the recommendations and sends out ballots which must be returned by May 1, and then become effective Aug. 1, 1985.

If this proposal is accepted, it would take less time than the current method, according to Schwartz.

"At the March meeting the bills or proposals would either pass or fail right there. So when the college presidents and athletic directors return to their respective colleges,

they will know the results and not have to wait until August to learn the final outcome," said Schwartz.

Leon said that many problems the National Collegiate Athletic Association (NCAA) is experiencing stems from a lack of control by college and university presidents.

"The amount of pressure these coaches are under is tremendous, and college athletics has become a big money operation," said Leon. "The control has to return to the presidents or their representatives, and this new proposal will accomplish that."

Southern plans special courses for elementary school children

Ray predicts over 150 students in 16 different classes

Missouri Southern is offering several special courses for elementary school children from June 10-27.

There will be 16 different courses available for students who will be finishing the fourth, fifth, or sixth grades this spring. The students will be taught by Southern faculty members and some public school teachers.

"We want to provide learning activities for children who want to learn," said Erin Ray, instructor of education. "All the activities will be hands-on experience type things."

These courses are in no way to resemble a traditional classroom.

The children will come Monday through Thursdays from 1 p.m. to 3:40 p.m. Each student will be enrolled in two classes.

According to Ray, many of the departments of the College are represented in this project, and it is not something involving only the education department.

Students will have courses in art, music, theatre, foreign languages, television, journalism, biology, creative writing, swimming, golf, and computer courses to choose

from. Enrollment deadline is May 15, and there will be a fee of \$100 per student.

"We are sending brochures to all the public schools which include enrollment forms, or parents can contact me to have their child enrolled," said Ray.

She estimates that 150 to 200 students will enroll for the summer courses.

"We hope that it is an experience that they will want to do again and again," said Ray.

School plans reunion for graduates

Bowman, Lankford will speak at May 3 'evening of casual fun'

Graduates and former students of Missouri Southern's school of education and psychology are being invited back to campus for a reunion dinner and "an evening of casual fun."

The dinner will be held at 7 p.m. on Friday, May 3, in the Connor Ballroom of the Billingsly Student Center. Tickets are \$6 each.

Kenneth Bowman, superintendent of the Warrensburg (Mo.) School System and a 1963 College

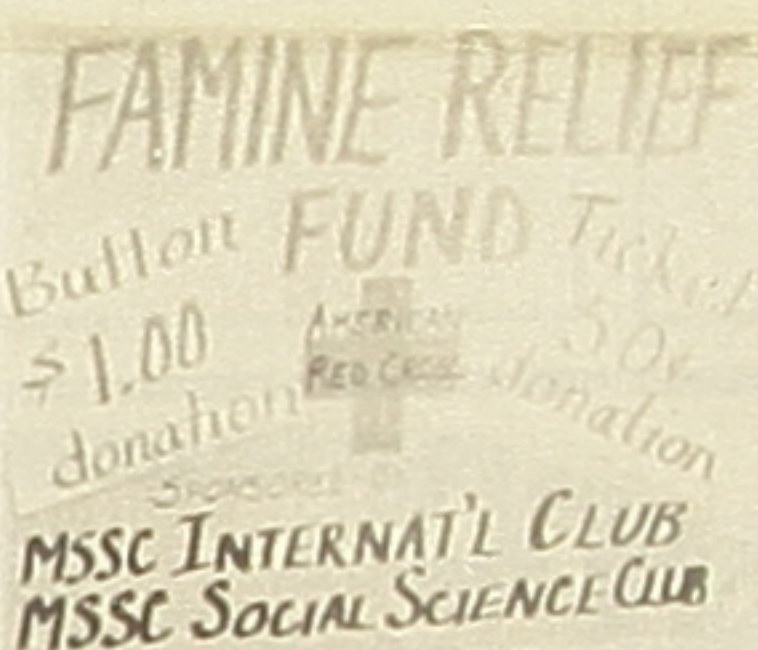
graduate, will serve as toastmaster. Ronald Lankford, principal of Webb City High School and a 1971 Southern graduate, will give the invocation.

Ed Wuch, director of clinical experience, and Kathy Lay, a 1979 graduate, will provide special entertainment. Bowman will also speak on "Challenges of the Future."

College President Julio Leon will speak on "Your College," and Edward Merryman, dean of the school

of education and psychology, will report on activities from the school. James Sandrin, head of the education department, will conclude the program with special presentations and awards.

Reservations must be turned in to the Alumni House by May 1. Spouses are welcome. Persons may contact the school of education and psychology for additional information.



Benefit Malcolm Fowler sells buttons to benefit the Famine Relief Fund.

College awaits FCC approval on FM radio station

Massa expects some opposition

Now in the hands of the Federal Communications Commission is an application for an FM radio station of classical format at Missouri Southern.

According to Richard W. Massa, head of the communications department, the application was received by the FCC in March, and the FCC is now in the process of determining the completeness of the application before officially filing it.

"It is now a process of the FCC's checking the application," Massa said. "Then, they will notify the public of the application to determine if there is any opposition. After this takes place, we may then

be granted a construction permit, if it is determined that such a station is in the public interest."

Massa said if everything "goes smoothly" the station could still be in operation by the end of the year.

Plans for the station have been in the works for over a year. The application was prepared by the College last fall, but due to an FCC freeze on all applications for FM radio stations, the application was not received by the commission until March.

Apparently, non-commercial educational FM stations were causing interference with several Channel 6 television stations. Therefore, the freeze was put into effect. In

order to file for the station, Massa said the College had to write to all Channel 6 stations in the area for permission. The only Channel 6 stations in the area are KMOS-TV, Sedalia; and KOTV, Tulsa.

Original plans for the station included a 30,000-watt output, but

application, we must wait for a period of three months for the public to respond. We do expect to have some opposition to the station."

Massa said the station would in no way compete with existing stations in the area.

interfere with commercial stations. We will in no way compete with the commercial stations for their audiences."

The FM station will not be affiliated with the National Public Radio network, but Massa said other network affiliations are possible.

"KSMU in Springfield is affiliated with NPR and plans to expand its coverage area to include Joplin. Too, the proposed Pittsburg State University station is also planning to be NPR," Massa said. "We will attempt to fill voids that exist. There are networks and programming services available to help us fill those voids. We must find our niche, and fill it."

"We must serve the needs of the public, but at the same time not interfere with commercial stations. We will in no way compete with the commercial stations for their audiences."

that figure has been reduced to 6,500 in order to comply with the relaxed freeze on FM stations.

"We're still a long way from having the station," Massa said. "After the FCC notifies the public of the

"We want to reduce the opposition to a classical FM station as much as possible," he said. "The media must serve the needs of the public. We must serve the needs of the public, but at the same time not

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students at Missouri Southern perform research projects at George Washington Carver National Monument in Diamond.



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students in the 60-plus program offered through the division of continuing education learn pottery.



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The Lady Lions knock off Emporia State 5-0 in softball action.

Final Exam Schedule

Friday, May 10

8:00-9:40—All 8 a.m.
W-F and daily classes
10:00-11:40—All 11 a.m.
W-F and daily classes
12:00-1:40—All 1 p.m.
W-F and daily classes
2:00-3:40—All 2 p.m.
W-F and daily classes
4:00-5:40—All 4 p.m.
W-F and daily classes

Monday, May 13

8:00-9:40—All 8 a.m.
T-Th classes
12:00-1:40—All 11 a.m.
T-Th classes
2:00-3:40—All 1 p.m.
T-Th classes

Tuesday, May 14

8:00-9:40—All 9 a.m.
W-F and daily classes
10:00-11:40—All 10 a.m.
W-F and daily classes
12:00-1:40—All noon
W-F and daily classes
2:00-3:40—All 3 p.m.
W-F and daily classes

Wed., May 15

8:00-9:40—All 9/9:30
T-Th classes
10:00-11:40—All 10 a.m.
T-Th classes
2:00-3:40—All noon
T-Th classes

Evening Classes

Test are given the same night the class usually meets. For classes that meet on two different nights the test will be given on May 13-14

College adds tractor

Grass-cutting time will decrease as result

Trimming the grass around the campus will have a new twist, and the time it takes to do the job will be cut in half.

Howard Dugan, director of the physical plant, said Missouri Southern has just added to its family of tractors. A new tractor was obtained through a bid, and purchased from Suburban Equipment.

Dugan said the tractor is a John Deere, Model 910, and that it has front-wheel drive and rear wheel steering.

"This tractor will make a 48-inch cut, as where the push mowers we used to use only cut a 24-inch swipe," he said. "The time it used to take two men to do the job can now be done by one man in a lot less time."

The tractor is easy to maneuver and will allow a cut in close corners, said Dugan. The tractor has a snow blade with

it, and Dugan hopes to add a sweeper attachment in the future.

The tractor with all its attachments and options cost Southern about \$5,000, Dugan said.

"The maintenance cost of the John Deere tractors is much less than some of the tractors we have used in the past," he said. "Some of the older equipment used requires a major overhaul after about 300-400 hours. Our John Deere tractors go about 3,000-4,000 hours before they need to be touched."

Dugan said the tractor uses diesel fuel, which means it will require less maintenance than that of a gasoline-powered tractor.

According to Dugan, the College will be looking to replace more of its older tractors, which were purchased in 1967.



New toy A maintenance worker tries out the new mower purchased by the College this spring.

University experiences six threats

FBI investigates scares at Northwest Missouri

Northwest Missouri State University administrators and Federal Bureau of Investigation officials are investigating a series of six bomb threats received at the University in Maryville last week.

According to a spokesman in the public information office at Northwest, several clues have already been discovered.

"We have a feeling they were just practice calls from some student who didn't want to have to take a test," the spokesman said. "We received a total of six threats during the one-week period, and the FBI people are looking around for clues."

In each instance, the person making the threat called either campus security or someone in a particular department, saying a bomb was located in the building, and it was set to go off at a specific time. "We had to evacuate halls in several instances," the spokesman said. "We lost two or three class hours while the buildings were searched."

Due to the threats, the administration mailed out letters to all students and others on campus, offering a reward for any information that could lead to the prosecution of those involved.

FBI officials are now checking computer listings for names. The spokesman said they feel there is a correlation between the threats and examinations given in corresponding buildings. They now have a pool of possible suspects, and will call these persons in for questioning.

"It's not something we're proud of at all," the spokesman said, "but what do you do? You can't just ignore the threats."

Dr. Paul Shipman, vice president for business affairs at Missouri Southern, said several bomb threats were made at the College several years ago.

"We had a few threats, but after a while we quit evacuating the buildings and instead just did a thorough search of the premises," he said. "After we quit evacuating, the calls stopped; so apparently we were doing what they wanted us to do by calling for an evacuation. But it all depends on the President's decision when we receive a threat like this."

Spiva Library has limited federal depository space

SMSU may become a regional depository

Federal Depository Libraries are located in many libraries throughout the United States.

Spiva Library at Missouri Southern has in it a federal depository library, which contains subject matter ranging from aerospace to zoology. Spiva library is a partial depository, which means that it is not responsible for keeping all the material the government sends to it.

Mary Lou Dove, interim head librarian

at Southern, said the general public uses the depository library more than the students. Dove said Southwest Missouri State University in Springfield has a larger facility for the depository than does Southern.

Dove said Southern's library is not large enough to accept all the material the government sends. Dove said there are plans now to make SMSU a regional depository, which would enable it to keep

on hand a wider variety of information sent by the government.

Dove said that Southern accepts and keeps about 30 per cent of the material the government sends to it.

"We receive information and pamphlets on a daily basis. All the information we have can be checked out of the library (for one week) just as the periodicals."

Dove said aside from the federal depository, Southern is also a state depository.

"The library receives much of the bills and legislation that is on the state level."

Dove said that the library is now filing much of the state and federal depository information on the OCLC catalog filing system in the library. Dove said a great deal of what comes into the library is now coming in on microfiche.

Dove said the state and federal depository information is useful and students are encouraged to make use of it.

Public can view films

Films relating to nature and various national parks will be shown throughout April, May, and June at George Washington Carver National Monument.

The films are a continuation of the Carver Monument's Special Film Series. The public is invited to attend showings of the films during the summer and to take advantage of the park's facilities.

Show times are 1 p.m. and 2 p.m. The following films will be shown: April 13-14, Private Yankee Doodle; April 27-28, Denali Wilderness; May 11-12, The Many Faces of Mexico; May 25-26, Our Wild Inheritance; June 8-9, A Very Special Place; and June 22-23, The Desert.

Oxford scholarships available

Scholarships offered for study in Oxford, England, are being made available for interested students.

Warnborough College, the international College of Oxford, has \$250,000 to be given to American students who would like the opportunity to study in Oxford, England, for either a semester or a year.

Under the new program, up to \$2,500 is available to students. Warnborough is a small, independent international institution that offers a wide selection of

courses ranging from humanities, social science, business, language, and communications.

The program has the traditional British university tutorial system combined with American type lectures and workshops.

Students interested in the program should contact Arthur A. Daich, US liaison officer for Warnborough, PO Box 3927, Amity Station, New Haven, CT 06525

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Senate postpones calendar plans

Plans for a student calendar have been postponed by the Student Senate.

Calendar chairman Curtis Townsend announced last night that due to a lack of time, the calendar could not be completed and marketed as necessary to make the project a success. The project, with proceeds being donated to the *Save the Lady* campaign, will be given top priority on next semester's Senate.

On Monday approximately 16 senators will travel to Jefferson City to meet with legislators. During their two-day trip they will host a luncheon for senators and representatives and lobby for more funding for Missouri Southern.

At the meeting held last week, Jean Campbell, a junior senator, asked about money that had been appropriated under a former Senate body for picture frames in Hearnes Hall. Some \$500 had been designated toward their purchase but none have been seen. Senate advisor Doug Carnahan, assistant dean of students, will investigate the matter and report to the Student Senate his findings.

Southern senators will face members of Pittsburg State University's Student Senate Sunday on the soccer field located behind Billingsly Student Center. The game will begin at 1:30 p.m., and senators hope for a large student body turnout.

In new business discussed last night, Southern's Art League requested \$500 for a three-day trip to St. Louis. Some 15 persons plan to travel May 3-5 to tour art galleries.

The Camera Club's resolution was also read. In it, the organization requested \$100 for a field trip to Fort. Scott, Kan., on April 27. Members attending will spend the day photographing the town. A decision on this and the Art League request will be made by the Senate Wednesday.

Senators are also to remind persons interested in running for executive office to pick up petitions before April 18 in Room 212 of Billingsly Student Center.

Firms to conduct interviews

Representatives will be on campus during April

Representatives from various employers will be on campus this month to conduct interviews with graduating seniors.

On Monday, Robert K. Danner with The Franklin Life Insurance Company will be interviewing all majors for sales or management positions. Interested persons must be willing to relocate.

Tony Ortiz of the Federal Bureau of Investigation will conduct two group seminars for students interested in working with the F.B.I. on Thursday. The seminars will be held at 10 a.m. and 1 p.m. in Room 311 of the BSC.

On Monday, April 22, Frank Crawford of the Wichita Public School system will be interviewing all education majors, and Don Copeland of House of Quality will hold seminars for students interested in part-time or full-time sales positions. The seminars are at 1 p.m. and 7 p.m. in Room 314 of the BSC.

Students must pre-register

Process, which begins Monday, includes 'clean-up day'

Pre-registration for the summer and fall semesters will begin next week, continuing through April 26.

Students with 90 or more hours and candidates for associate degrees may pre-register Monday and Tuesday. Students with 60 to 89 hours may pre-register Wednesday and Thursday. Transfer students with 55 or more hours may pre-register Friday.

On Monday and Tuesday, April 22-23, students with 30-59 hours may pre-register. Students with under 30 hours



Double dip

Campus Activities Board members dip ice-cream for students during a function planned by the group last week. CAB members are now making plans for Spring Fling Week to be held April 15-19.

Music groups disappearing into solo careers

'Journey', 'Styx', 'Go-Go's' and 'Supertramp' feeling effects of recent rock trend

By Doug Moore
Staff Writer

Where has all the loyalty gone? The music groups that fans are loyal to have disappeared into the egotistical framework of solo careers. Where is it going to end? Let's begin with the biggest album selling group of the 80's, *Journey*.

Steve Perry has broke out to do "Street Talk," and the success has come with him, but I feel like he's still having an identity crisis. He's capitalizing on *Journey's* sound, the timelessness of their success, and their reasons for a temporary vacation from each other. But I can't blame

it all on Steve.

The group *Styx* has done everything but make a public announcement of their break-up. Dennis DeYoung is out with his solo album and title cut "Desert Moon" and Tommy Shaw is right on his heels with "Girls and Guns."

Jane Wiedlin of the *Go-Go's* has left. This guitarist is pursuing a career as a solo artist and collaborations with the *Sparks*.

John Waite isn't missing the *Babys* any as his debut album *No Brakes* turned gold and his first single "Missing You" went to No. 1.

Peter Wolf turns on with the album and title cut "Lights Out." Robin and Barry

Gibb try to snap the *BeeGees* disco drop to shame and become established as soloists.

Roger Hodgson, former lead singer of *Supertramp*, has a single "Had A Dream (Sleeping with the Enemy)," sounds like a late 70's *Supertramp* album reject.

Then there are the *Eagles*, as they clipped their wings to try and fly solo. Glenn Frey and Don Henley look the most promising, but I find myself thinking, "Who cares?" From the sales of their solo albums I can tell I'm not alone.

But doing an about face, let's look at Lionel Ritchie, Michael Jackson, and Paul McCartney. They can now stand by

themselves without someone saying, "Oh yeah, he used to sing lead for that group. Whatever happened to them?"

There seems to be a time when either these solo artists prove to the public that they've got the potential for solo material or smart enough to get a good producer, or they grovel in the dirt and eventually end up in the book of rock history as just another guy (or gal) with just a little too much confidence and a lot of humiliation.

How can a fan be loyal to a group when the next day they end up labeled as solo artists?

The New Waffle Cone And Waffle Cone Sundae.

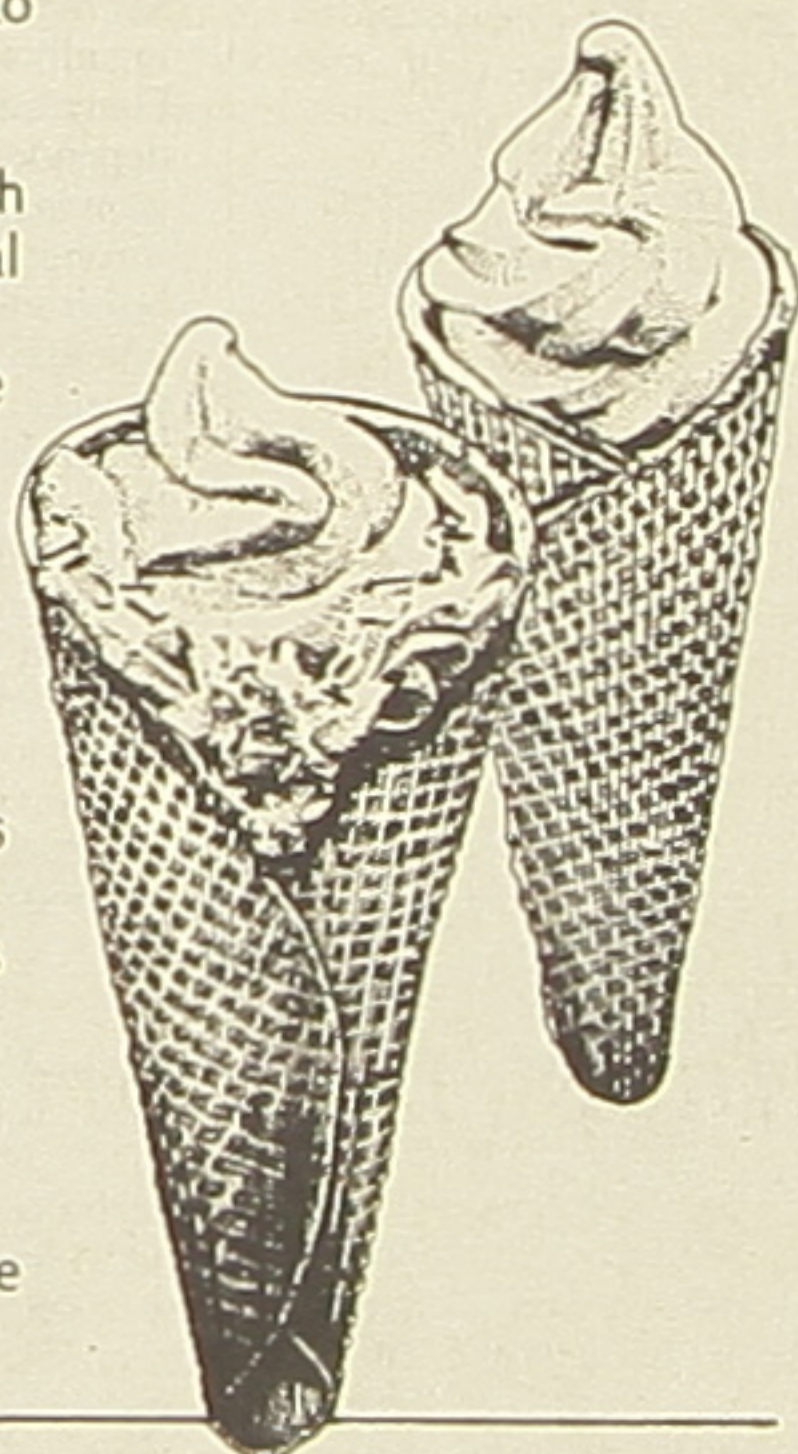
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"This can't be
YOGURT!!"

Crossroads Center 4th and Rangeline Joplin, MO

MISSOURI CONSTITUTION TEST

For students who need to take the test on the Missouri Constitution, please observe the following schedule:

LECTURE:

Tuesday, April 16th, 2:30 p.m., L-130

TEST:

Tuesday, April 23rd, 2:30 p.m., L-130

All out-of-state students who plan to graduate in May, 1985 or July, 1985, who have not taken U.S. Govt. or State & Local Govt. in a Missouri College should see Dr. Malzahn, Rm. H-318 on or before April 12 to sign up to take the test.

In the open

Disarmament game playing

If Parker Bros. were really on the ball, they would have a new game out for all of us to play. What would they call this exciting, intriguing new game? Why, they'd call it *Nuclear Disarmament Talks* of course!

Well, even if the kids didn't take to it, we all know the adults already enjoy it. And it is a good game.

OK, it's the Russians' turn. They decide to be nice to us. Swell. They say that they will stop deploying inter-continental nuclear missiles in Europe until November of this year. Sounds good?

OK, now it's the Americans' turn. They think it over (10 seconds) and say "nope." They rail at the injustice of the proposal, pointing to the fact that the Soviet Union already outnumbers the number of missiles we have in Europe by 10-1. Why, that's crazy, we say. That's like asking to trade your bologna sandwich for some prunes at lunch. No way! Geez, these silly Russians! Nobody gets the best of us.

Wrong.

We are getting the best of ourselves. The Russians are getting the best of themselves. And everybody else is caught in the middle. Because we are playing silly kid games with something as serious as nuclear war. Both sides could stop installing nuclear missiles forever, and we could easily destroy the world who-knows-how-many-times over. We could scrap everything that is in or around Europe, and we could still bake the world better than Sarah Lee ever dreamed. We could probably take down every missile silo known, and could still pull it off if we get our subs in the right places on time.

Boom.

Sound hopeless? Well, it isn't. But you can't play little games of "a little here, a little there." Nuclear disarmament is a lot like smoking or drinking—if you decide that you don't like to do it anymore, you just quit doing it.



Editor's column:

Students: 'The Chart' is your newspaper—use it

By Ben Leavens
Circulation Manager

Missouri Southern students...are you listening? All federal student aid will be cut off next year. Point blank; no exceptions. There will be no more patron scholarships. Enrollment will be trimmed by refusing registration to all current and new students except those who score (or scored in the past) more than 30 on their ACT exams. Also, next fall tuition will increase to at least \$85 per credit hour for in-state students. Just kidding!

But now that I finally have everybody's attention, let me tell you something. There is a newspaper at Missouri Southern called *The Chart*. It's *your* paper. No, wait. Right now it's *my* paper, along with a handful of communications majors. The point is that it's supposed to be your paper, and every week there's something in it that affects or offends you, but you do nothing and say nothing to contribute to it. You never respond, even to things or statements you must have strong feelings about.

This paper is supposed to be your voice. Your way of communicating your ideas to your fellow students and to the surrounding community. Sure,

laboratory experience is part of the reason for *The Chart's* existence, but it's also *your* outlet for expression of *your* views, yet you don't use it!

Your lack of participation is unexcusable, and damaging to the very values you cherish most. How do you ever expect to have a hand in running the College, or your own life, if you don't step up and take hold?

Already the student apathy here is having its ill effects. Missouri Southern is getting a new FM radio station sometime in the next year. But due to a lack of students demanding an input in the past, the administration no longer expects to hear your voice. The programming format of *your* radio station has already been decided for you. It also seems the administration will make all the important decisions regarding the station for you. You lost your input by default. The administration cannot be blamed for taking hold when you let go, but someday, I fear, they will come to the realization that a college run entirely by the administration is not a college at all, but an empty shell whose purpose is to show the world what they wished their youth would be.

So what am I trying to say here? I guess it's that for your college, and your college experience, to

have long lasting meaning, *you* must put something into it. You must be an active participant. And active participant doesn't mean being part of the Student Senate, or an officer in a school club. It means speaking your piece and participating in the various non-classroom activities that make this school what it is. You want to write a story or editorial for the paper, walk down to the office and speak up. We don't bite (although we do nip sometimes when a deadline draws near). You want to be a part of a theatrical production, go poke around Taylor Auditorium. You want to participate in the upcoming radio station, go speak to the man in charge (Mr. Massa). Classical movies? Shown once a month right here on campus by a man who will talk to you all night long about the finer aspects of movie making (Harrison Kash). You don't have to be a major in the subject to participate in it!

And really you shouldn't be. Maybe the message doesn't get across sometimes, but it's better for the purposes of the College if most people involved in

Please turn to
Column, page 8

Spring Fling Week losing popularity

Students at Missouri Southern do not appear too overly excited about Spring Fling Week at the College, April 15-19.

Although the Campus Activities Board has planned various activities, the week does not generate the excitement it once did. With the exception of Wednesday's activities—a cookout, band, and circus—only a small percentage of students will participate in the week's other activities. Many are saying, "How can we get excited about Yogurt Day and a Stuffed Pet Show?"

The cookout, considered the highlight of the semester by some, will probably be less attended than in years past. A few sub-par cookouts in previous semesters have contributed to the decline in popularity. Students must realize that a portion of their fees are being used to finance the event, and they are losing out by not taking part. The very least they have to gain is a free meal.

In Perspective:

One must learn to understand, appreciate life

By Lisa Funderburk, President
Student Senate

In order to better understand and appreciate life, it is important to realize that death is part of life.

Trying to better understand life and death has been a special challenge for me for many years. My oldest brother, Steven, was close to death during all of his 21 years of living. He was born with Down's Syndrome. As a result, he was completely dependent upon my family for survival. After growing up with him and watching him battle through life, I realized that he didn't just need us, but ironically, we needed him just as much! His life and death brought our family very close together. I'll always miss him. I'll always remember what I learned from him. But, it was the *way* he lived his life that was special and beautiful. He changed my own outlook on life. Steven really *lived* each moment happily and without hesitation. He didn't always understand what was going on in the world, but he never failed to comprehend the feelings and emotions of people around him. When I was feeling said or depressed, Steven could sense this, and...with

a smile could cheer me up. It was if he was saying, "Hey, look at me, I am living...therefore I am happy. I intend to enjoy everything I possibly can. I wasn't blessed with some of the opportunities that you were given, but I can still live life to its fullest. Live each day as if it was just a single moment...don't hesitate...get involved with helping others and *live*! Try to realize how short life really is."

In watching Steven's body deteriorate during his final days, I was especially afraid and perplexed by both life and death. He moaned and made noises constantly. Our family gathered around him as his life neared the end. As Steven took his last breath, he flashed his old smile, and showed the most relieved look on his face that I have ever seen. Maybe some of the moaning during his last month was not all from pain. Perhaps it was a way of saying, "I am ready. I have done my job. Take me. I have lived."

Steven's message to me...the one I am sharing with you, is simply to live your life. Don't just complain about your heartaches and pain. Appreciate what is going well. The pressures we put on ourselves as students are sometimes immense. Be careful. Learn to roll with the flow. You know that

relaxed feeling you sometimes feel when you are sick and you can't do anything all day? Try to relax. Use that feeling to get through your tough times. Take the bad things in your life and turn them around for your own benefit. All of the emphasis these days on stress management and wellness is not a passing fad! Take time to live. Life is too short to take any other approach.

I am a senior facing graduation in just a few weeks. I can feel the pressure. The heat is definitely on. But I know I can make it. I realize that the pressure is caused by me, not by somebody else. As a matter of fact, I am enjoying these hectic times. Perhaps this means that I am really living my life.

In closing, I suggest you enjoy Missouri Southern as much as you can. Get involved in campus organizations. Don't get totally upset with college bureaucracy and grades. Take the time to really enjoy what you are doing. Laugh a little. Laughter is a great form of relaxation. It is probably one of the few things that we are sure do not cause cancer! Learn all you can while you are at Southern, but more important...learn to live.

Letters to the editor:

Minister finds 'misportioned ideas' in article

To the Editor

In answer to the column "In the Open" concerning Religious Emphasis Week I felt led to say a couple of things.

First, I am not afraid, nor ashamed, to put my name behind this article. Already more than the writer of the article printed in *The Chart* April 4, 1985.

Second, of all the many misportioned ideas in the article I would like to focus on just one. To quote a piece of the article, "This week

should have included input from Moslems, Buddhists, and Hare Krishnas alike." Dear friend, sponsor a religious emphasis week on the campus of Hebrew University in Jerusalem, Israel. You will be allowed to expose one belief, Judaism. Or, please travel to any University in India and sponsor a religious emphasis week. You will be interested to know you will not be allowed to share Christianity and other main line world beliefs. May I suggest one other trip to the Caribbean Islands. You will have only witchcraft and magic

displayed during your [r] week of religious emphasis. Whether it be political, social, cultural, legal this is what you will find. In your article you are suggesting we do not have any of those avenues when you suggest we take it off the campus and put in in a church. Question. Why do [you] want to rape us of the freedom to share our belief? I wonder if there is something you don't know.

Ed Reynolds

Facts incorrect concerning Religious Week

Dear Editor,

Thank you for being one of the persons who noticed there was a "religious emphasis week" on our campus. That is about the only thing that you got correctly in your editorial.

Since *The Chart* has been named as "first" several times in college competition. I would have thought the writers would have the facts correct before they were printed.

Who told you these activities were college financed? If you would have checked, you

have found that these were paid for the "celebrators themselves." (Sorry guys)

How short your memory is. Didn't we have a panel on religions of the world during Multi-Cultural Week? Didn't we allow pamphlets about the "other religions" to be put out?

The Religious Emphasis Week Committee was not limited to two groups, all the recognized organizations at MSSC were invited to participate. Those who were interested in *You* did so. As to the luncheon, it was merely the Easter Buffet for the residence

halls and as to the performance of "The Seven Last Words of Christ," you might find it interesting to know that it was sponsored by the Music Department. It was part of their tour.

If I were you, I might take a second look at "Religious Emphasis Week." You may have been the one it was planned for. And thanks. I did have a Happy Easter.

Kathy Lay

The
Chart

Missouri's Best College Newspaper

MCNA Best Newspaper Winner

1975, 1976, 1977, 1978, 1982, 1983, 1984

The Chart, the official newspaper of Missouri Southern State College, is published weekly, except during holidays and examinations periods from August through May, by students in communications as a laboratory experience. Views expressed in The Chart do not necessarily represent the opinions of the administration, the faculty, or the student body.

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An in-depth look

VDTs could be dangerous to users' health

Blurred vision, headaches can occur

By Simon P. McCaffery
Associate Editor

For nearly a decade now, the computer has begun to pop up everywhere in our daily lives. Once a novelty, the computer has become a common tool, a tool that millions of people utilize on a daily basis. The use of computers has revolutionized many aspects of our lives. In business, education, industry, and in the home, computers have drastically altered our tasks in a multitude of ways. Unfortunately, persons who use computers on a daily basis are beginning to be concerned about the possible health hazards linked to video display terminals (VDTs).

By 1980, some 10 million persons will

be working video display terminals—also known as the Cathode Ray Tube (CRT). The VDT provides the link between the computer and the operator. The VDT is the screen—much like a television screen—that is attached by cable to the computer. Information processed by the computer can be displayed on the VDT's screen.

VDTs have started to replace typewriters, book ledgers, and calculators. Computers with VDTs are used by businessmen, accountants, medical professionals, teachers, students, and others. They are used to file information, write letters and papers, inventory items, make reservations, and produce this article. The Arthur D. Little Corporation has

predicted that by 1990, 40 to 50 per cent of all American workers will be making daily use of VDTs. It is also predicted that there will be more than 38 million workstations with terminals in factories, schools, and offices of the U.S. This does not include the 10 million or so portable computer systems that are privately-owned.

Many workers and health authorities have claimed that the continual use of VDTs may cause eyesight problems in the operators. Lighting levels, overhead glare of light-off screens, and color and size of generated characters have been blamed for eye-related problems of users.

Jeanne Stellman and Mary Sue Henifin, authors of *Office Work Can Be Dangerous To Your Health*, describe the problem as widespread among office workers. They stress that approximately

20 to 30 per cent of the population of U.S. workers has minimal visual defects, such as near- and far-sightedness that go unnoticed—until working with VDTs for long periods of time. The increased VDT workload may make the user aware of these problems. Users may experience blurred vision, itching and dryness of the eyes, headaches, dizziness, and ocular pain. Normally, eyeglasses or contacts will solve these problems. However, according to Stellman and Henifin, VDT users may need to have special corrective lenses prescribed that are more appropriate to VDT work. This would also present a problem for those who wear bifocals.

Mary Kanner, a native of Joplin who works as a systems analyst in Phoenix, claims that many VDT complaints are valid.

"Yes, VDTs can be troublesome to your

eyes," she said, "particularly some of the colors used to generate characters. The green and white-gray letters are the worst; they give me headaches after a period of time. Green, although it is an earth color, is irritating on the screen. I have heard that new, better colors, such as a soft blue, are being designed for future hardware."

According to Kanner, the size and shape of computer-generated characters can also prove troublesome to the eyes.

"VDTs that only display capitalized words are more difficult to read than those that show lower caps as well."

How much stress and strain a user may experience reading a VDT screen is determined by the brightness of characters on the screen, the degree of contrast between characters and background, how long the characters last, and by the shape of the letters.

Legislators consider possible action

Missouri bill is 'dead'

For a change, decisions concerning safety regulations of video display terminals (VDTs) have begun moving out of study committees and into legislative bodies in 1985.

State laws regulating the purchase and installation of VDTs all failed to pass in 1984, but this year there is renewed interest in many states for their passage. Approximately half the nation's states are considering VDT bills this legislative term. States that are not considering bills are contemplating guidelines for purchasing and installing VDT equipment in workstations.

In Missouri, a bill (HB 406) was introduced in the House in February by Representative Auer calling for occupational health and safety standards for operators of VDTs to be regulated by the

ing back out of committee. Unless the bill appears as an amendment to another bill the following session, it is unlikely it will pass in Missouri.

So far, no state in the U.S. has passed a VDT law similar to the one proposed in Missouri. According to *Computerworld* magazine, proposed laws that are still being actively considered by states all fall into four distinct categories:

Ergonomic bills require employers to provide VDT workers with safety-minded devices, like non-glare, adjustable screens, and removable keyboards for workstations.

Ergonomic bills mandate work breaks for VDT operators and may require employers to provide alternative work for pregnant workers operating VDT systems.

This issue of VDT radiation remains the most controversial for VDT legislation

vice Employees Industrial Union (SEIU), 28 states are being tracked in their attempts to pass VDT legislation. In October 1984, SEIU joined efforts with 9 to 5, the National Association of Working Women, which is trying to introduce legislation in 18 states. Many of the bills introduced were of the comprehensive type. According to SEIU, those bills are meeting with much opposition. Organizations such as the Air Transportation Association and the American Insurance Association (AIA), along with the Computer and Business Equipment Manufacturers Association (CBEMA), have teamed up to form the Coalition for Office Technology. The coalition has proved to be a strong opponent of VDT legislation.

States that are still considering VDT bills seem to approach the issue from different angles.

Oregon, the state furthest along in passing and implementing VDT legislation, nearly gave its unanimous vote (27 to one) to an education and ergonomics bill in its Senate. This year's VDT bill is a stripped-down version of a 1984 bill, with more stringent guidelines. If adopted, these guidelines would be optional for private-sector businesses and mandatory for state agencies where workstations are used for four or more hours a day. An interesting (and counterproductive?) addition would allow machines already in use to not be subject to regulations imposed by the state.

Many opponents are confident they have stopped the VDT bills in U.S. states this session, according to Gary Conkling, governmental relations manager for the Tektronix corporation. Issues relating to VDT use and workstation design are better addressed outside legislative chambers, Conkling said.

"We ought to take a stab at bad management policies, rather than machines," he said.

Opponents are confident they have stopped the VDT bill this session, according to Gary Conkling, governmental relations manager for Tektronix, Inc. Issues relating to VDT use are better addressed outside legislative chambers, Conkling said.

"We ought to take a stab at bad management policies, rather than machines," he said.

state. The bill would prescribe eye tests, rest periods, matte finishes on walls, anti-glare glass and lights, adjustable chairs, tilttable screens, training and education in VDT use, wrist-rests, and document-holders—all of which would have to meet state approval. Workstations containing VDTs would have to be inspected and approved by the state.

The bill was assigned to the House Employment Security and Fair Practice Committee. The current status of the bill is dismal, according to an aide for Representative Roy Cagle: "The bill is dead for this legislative session, not com-

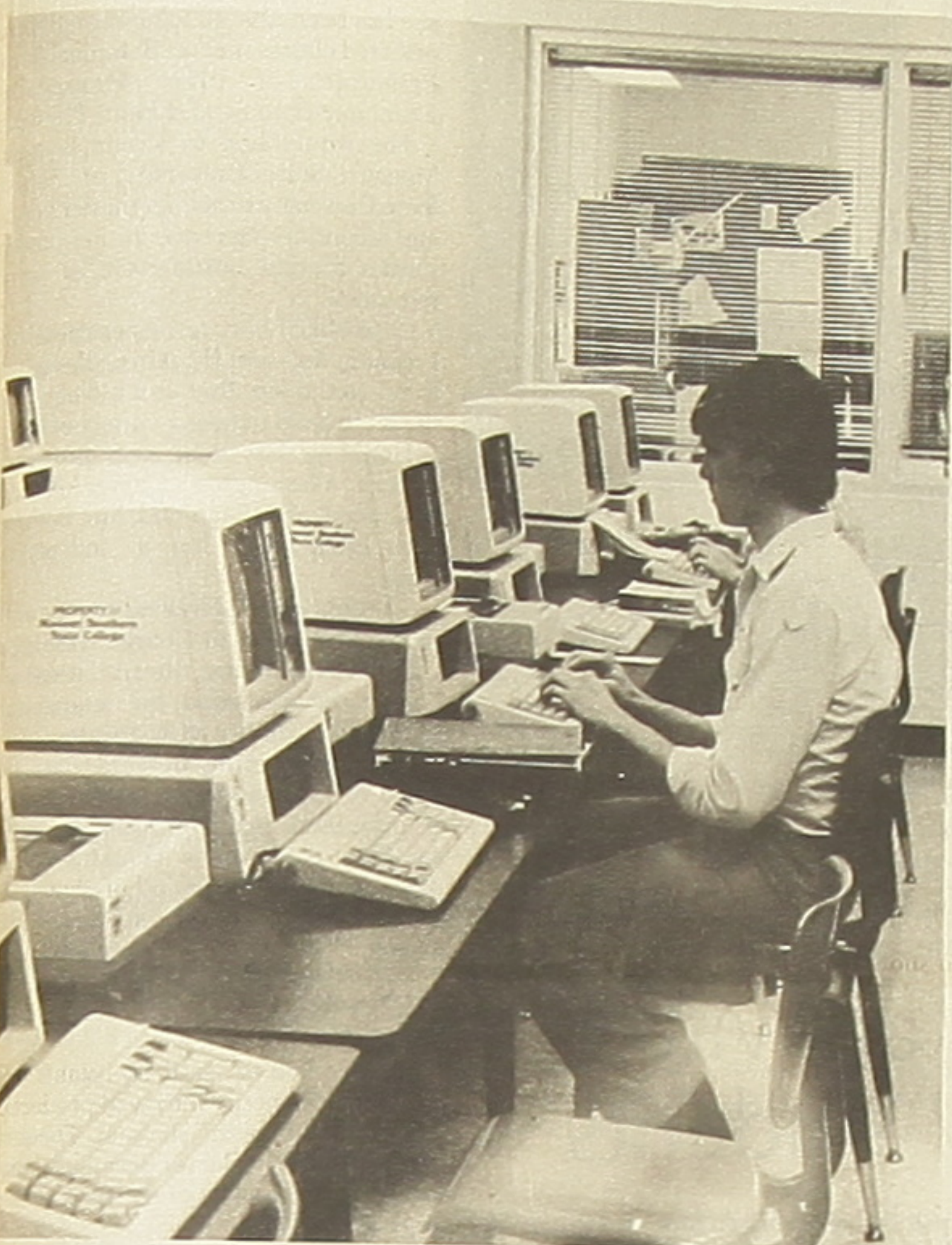
ponents, who maintain that scientific studies show no clear evidence that VDT exposure causes miscarriages or birth defects.

Purchasing guidelines is another type of bill that is directed toward public agencies. The bill would also create study committees and educational programs.

Right-to-know bills are created to educate and train VDT workers about the use and maintenance of the terminals.

Comprehensive legislation includes aspects of all the other three categories.

According to Marty Dickinson, VDT campaign project coordinator of the Ser-



Problems

People working with VDTs claim headaches, eye irritations and blurred vision may occur. Designing a glare-free and physically comfortable workstation is important.

Precautions must be taken in establishing workstations

Experts give suggestions, guidelines for VDT users

According to many experts, designing proper workstations for VDTs (video display terminals) involves careful planning and considerations.

When considering a well-constructed VDT workstation, many factors are involved: the VDT itself, the room's lighting, the user's eyes, and VDT work positions.

In avoiding eye problems, headaches, or dizziness by the VDT user, the first consideration is the machine itself. According to Robert DeMatteo, author of *Hazards of VDTs*, a good VDT will have both adjustable brightness and contrast controls, meaning that a user may adjust the brightness of the screen and the characters to the level of light in the room with which he or she is working. According to Jeanne Stellman and Mary Sue Henifin, authors of *Office Work Can Be Dangerous To Your Health*, the VDT screen itself should be adjustable, tilting up or down, depending on the height and eye-level of the user.

The steadiness of letters on the VDT screen is also a factor that users should be aware of. Steadiness of letters on the screen is determined by the machine itself. Images are produced by the cathode ray tube, or CRT. The CRT is an evacuated glass tube that, when powered with electricity, shoots electrons from a "gun" at the rear of the tube. The screen is coated with phosphors that emit light when they are energized by the striking electrons of the gun. An operator will see a dot of light where electrons have struck and energized phosphors.

According to Stellman and Henifin, screen luminance should be adjustable across a wide range to a minimum of approximately half the level of light in the work area. When planning the lighting for a VDT workstation or placing a VDT in an existing office, sources of light must be considered. The object is to keep light

from directly shining on either the screen or into the eyes. A VDT should never face a window but should always be placed at a right angle from it. Windows should be fitted with adjustable blinds or curtains, as well.

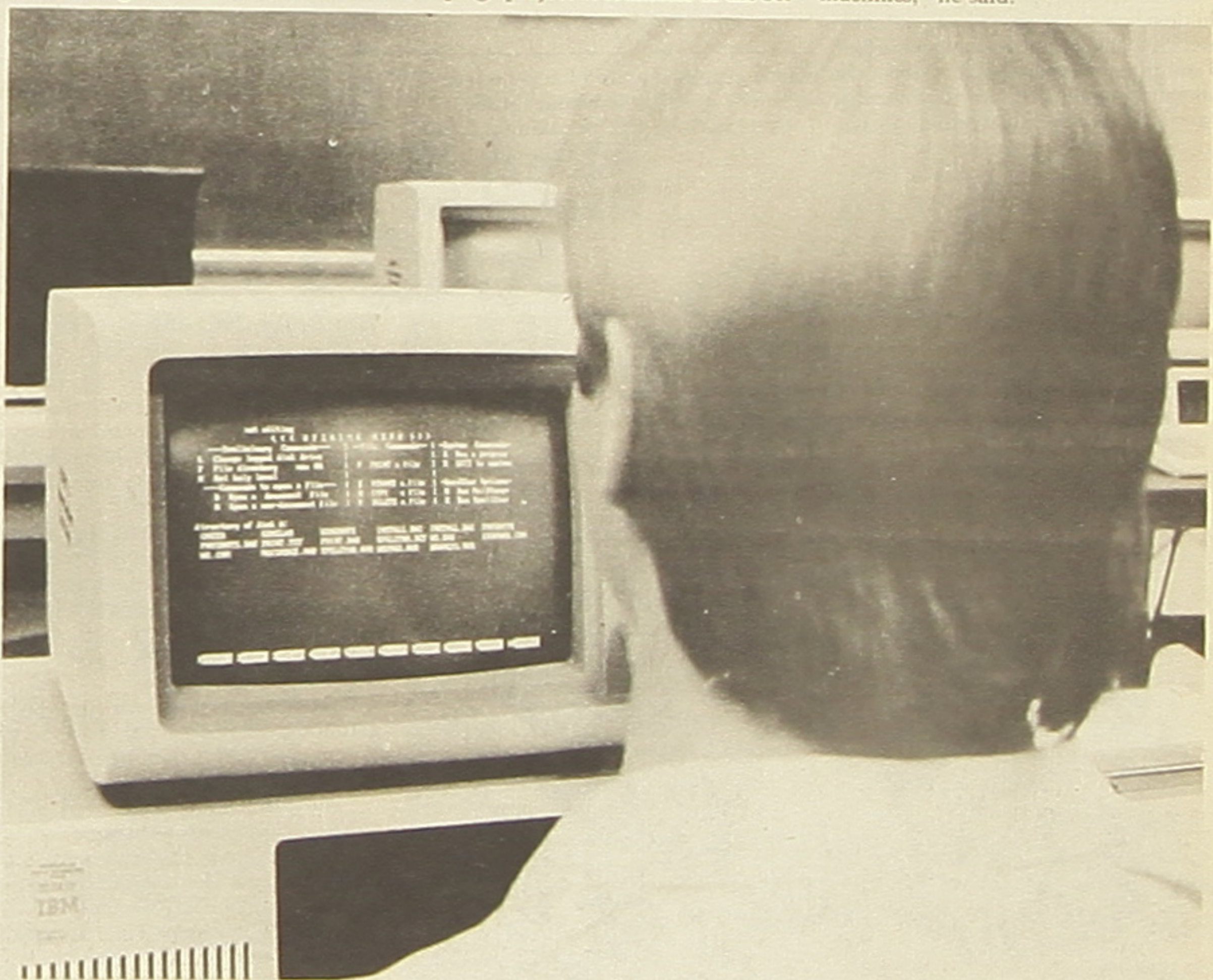
Artificial lighting in the room should be shielded and indirect. Individual, local desk lights should be shielded and fitted with a dimmer so individuals can adjust light levels to their own preference.

Reflection of light should also be taken into consideration. The casing of the VDT and other surfaces should be a matte-finish or color, never shiny, to minimize any reflection of light. In addition, the VDT screens should be coated with fine-grained anti-reflection materials.

According to Stellman and Henifin, anyone who begins to work on VDTs should have an eye examination before starting work. "VDT" glasses should be prescribed by a competent practitioner who is aware of the range of focus that the VDT operator requires. Some unionized VDT users are covered by contracts that provide for free eye examinations and new prescriptions.

As a final suggestion, Stellman and Henifin urge users to set guidelines to create the most stressless work area for the user's body. For greatest comfort, they recommend the elbow and knee of a seated user bend at 90° angles. Both a footrest and an adjustable chair are recommended. A document-holder and an adjustable screen allow the user to experiment and select the best reading positions—authorities recommend different distances, ranging from 18 to 28 inches from the screen.

Stellman and Henifin suggest that while no long-range changes in visual acuity may develop from VDT use, creating well-designed work areas for VDTs remains important for the convenience of the worker.



Stress placed

Experts say that approximately 20 to 30 per cent of Americans have minimal visual defects, such as far- and near-sighted vision. These visual problems may go unnoticed by a person—until they work for long periods of time on VDTs, and the problem becomes more apparent. To minimize the amount of stress placed upon the eyes, experts stress the importance of room lighting, over-head lighting, color of graphics and characters on the VDT screen and shape and color of the characters.

Southern Faces

Observations stir ecological interest

'Fate' determines Wren's future

By Tammy Coleman
Features Editor

"I'm just making a play by fate," said Jeff Wren as he discussed his future in biology.

Wren, a senior at Missouri Southern, plans to graduate in the fall with a biology degree.

"There are two ways I could go," said Wren as he considered his future.

"I would like to work in biology in a way that I could help other people from a professional standpoint," he said, "like optometry or something of that nature."

Optometry and pharmacy both seem inviting to Wren because the demand time on the field of work is less than that of medicine.

"They are fields where you can really do a service to your community and still have a 40-hour work week, time for yourself, and time for your family, also."

"I was in pre-med and they (doctors that he knew) were just busy all the time."

His second choice would be to work in the field, either doing studies on different populations or wildlife. According to Wren, one drawback to this is that fieldwork does not pay one fourth of what optometry would pay.

"Fieldwork would be fun and you could help preserve wildlife and forests," said Wren. "I'm just going to play by fate. If I don't get accepted into optometry I could do the other one and enjoy it just as much."

As part of his classwork for ecology, Wren is currently involved in a field study concerning the hunting behavior of red-tail hawks. The study is being conducted at the George Washington Carver National Park in Diamond, Mo. His study will include flight patterns before and after sighting prey, hunting in late winter versus hunting in early spring, and many other aspects.

According to Wren, the instructions of

the project are to collect data on anything relating to ecology. When choosing a topic, the students are given a list of the studies that the National Park Service would like to have done.

"It was one of the things that they would like to have done," he said. "It would benefit them and later it would help me out when I use them as a reference."

"They publish a bulletin and hopefully I'll get it published in that."

Wren decided to do this particular field study after looking into the research that had already been done on it.

"I just thought it would be interesting," he said. "I looked around for a long time and there wasn't that much data collected on it. I wondered if there was a difference in fly patterns before or after sighting prey."

The study will take a great deal of Wren's time, but that does not seem to bother him.

"I'd like to spend every spare second I can out there," he said. "Hopefully, I can be out there three or more hours everytime I go out, and I'd like to go out three or four hours a day and all day on Saturdays."

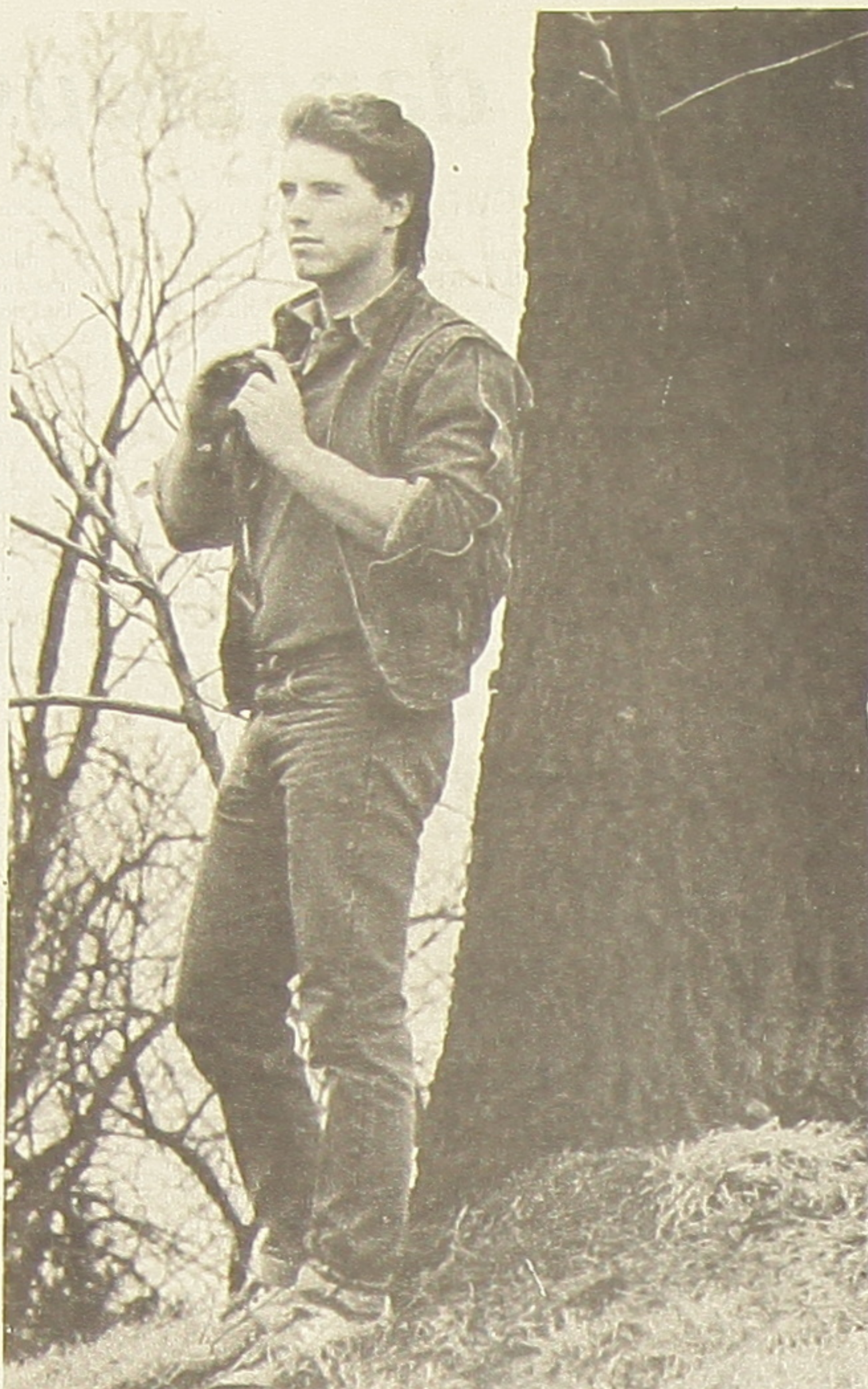
"It'll take quite a few times to see if I'm seeing a pattern," said Wren. "I'm dealing with different birds and different species."

Even though Wren will spend a great deal of his time on the project this semester, he does not feel it is time enough to do a good report.

"In order to do a good report you would need a year or two of every day observation," said Wren.

Wren has become interested in ecology while attending class this semester. It is the first class he has had on the subject.

"I am interested in how organisms deal with the environment as a whole," he said, "the interactions between individuals as a whole."



Hawks

Jeff Wren, senior biology major, uses binoculars to sight hawks as part of a survey he is conducting.
(Chart photo by Barb Fullerton)

Scott aims research of environmental activities at developing projects for elementary students

Karen Scott's project differs from those that her classmates are doing for Dr. Jim Jackson's ecology class.

Since she is an elementary education major with an emphasis in science, her project consists of teaching children about the environment.

"I'm trying to develop some environmental activities that elementary children can do," said Scott. "My project will be comprised of soil and water analysis that children in the fourth, fifth, and sixth grades can do."

Scott's research is aimed at teaching children how to test the soil and water PH level. Students will be learning what kind of soil they are looking at and about the amount of alkaline and acid in the soil or water, and how these can be limiting fac-

tors to the environment.

Scott will be doing her project at George Washington Carver Memorial,

grade girl scout troop down there to make sure her project will work.

She plans to mark off certain

"I'm trying to develop some environmental activities that elementary children can do . . . My project will be comprised of soil and water analysis that children in the fourth, fifth, and sixth grade can do . . . If my project is successful, the people at George Washington Carver would have these packets down there to show others."

—Karen Scott

which expressed a need for some type of activity for older elementary students.

Scott said she will be taking a fourth

designated areas in the park where children can get their samples. Then they

will be instructed on how to test the PH level with litmus paper.

Scott's project includes compiling her information into a packet that will include lesson plans for other teachers to utilize in explaining to their students about the PH tests and what they mean.

Scott said, "If my project is successful, the people at George Washington Carver would have these packets down there to show others. If a teacher calls in advance they can get this packet to prepare their students for the activities."

Scott said schools often take field trips to the Carver Memorial. Even more schools might be interested in taking it if they knew that this activity is available for children in the fourth, fifth, and sixth grades.

Fahrig conducts first soil experiment

Dr. James Jackson almost acts as personal 'cheerleader' during project

By Keri James
Staff Writer

An experiment dealing with the effects sulphur dioxide has on micro-arthropods is being conducted this semester by Julie Fahrig, a Missouri Southern biology student.

It is the first experiment of its kind to be conducted, according to Fahrig.

"There have been piles of studies done on acid rain and the effects that sulphur dioxide has at different soil depths," Fahrig said, "but there has never been a study like this."

Fahrig's experiment will involve the gathering of soil from the George Washington National Monument at Diamond, Mo.

"The reason I am using that particular soil is because I know its background," she said. "It will make the experiment more reliable because I know exactly what that soil has had done to it in the past."

The soil will be placed in a funnel and dried out under the rays of a lightbulb. A jar of ether alcohol will be placed under the funnel as the soil dries out, and the micro-arthropods will drop into the alcohol to await inspection. This is a process called berlese extraction.

"The levels of sulphur in the soil will be increased weekly," Fahrig said. "This will allow me to observe the effects that it has on the bugs."

Fahrig stressed that micro-arthropods are important factors to consider.

"Micro-arthropods are indicator

species," she said. "If something is happening to them, it will have some sort of effect on us."

Fahrig said the relevance of the experiment to the Joplin area has to do with the local electric companies.

"The electric companies use fossil fuels such as coal to produce energy," she said. "The emission of these fuels is sulphur dioxide and my study will test the levels of effects that the fumes have on nature."

Fahrig, a senior with a double major in biology and biology education, said she started her term project with no idea it would turn into an interesting venture.

"I originally had planned to collect water samples and simply test the PH level in them," she said. "Before I knew it, I was driving all over the place and it was just too big a project."

Fahrig discussed the problem with Dr. James Jackson, professor of biology, and then mentioned an article she had read related to the experiment she is now working on.

"Dr. Jackson explained that we had the equipment to do the project," she said. "When I finally told him I had chosen to do it he was very happy and even said 'This is exciting.'"

According to Fahrig, Jackson has been supportive of her ideas, and almost acted as her own personal "cheerleader."

"He is always available to talk and he is very excited about the projects we are working on," she said. "If there is a problem, I just go talk to him and suddenly it's not a problem anymore. He just

2 projects provide challenge

'Writing the paper was the hardest part'

By JoAnn Hollis
Staff Writer

When Susan Hopkins decided to go to school, biology was not on her mind.

She started out as an accounting major. "I knew I could do the accounting," she said. "It was good at it, but I didn't want to do it for the rest of my life," said Hopkins.

Hopkins is a senior at Missouri Southern and will graduate in May.

"I'm a biology major because that's what we [Southern] offer. I would like to have been a botany major," she said.

Although unable to be a botany major, she has been able to take several botany-oriented classes such as Botanical Survey, Principles of Plant Propagation, Economic Botany, and Plant Physiology.

She would like to attend Southern Missouri State University or Pittsburg State University to get her master's degree and is considering centering her graduate studies around horticulture or natural resources.

"I feel like I have not experienced what I want to do," said Hopkins. She feels this is due to the fact that as a biology major she is required to take a variety of classes.

Hopkins has done two projects for the George Washington Carver National Monument near Diamond, Mo. Both have been credited to her as independent studies.

The first was a physical survey of five water systems at George Washington Carver. In studying the five streams, Carver she measured the temperature, flow, and turbidity of the water.

"I was gathering baseline data that could be used later," she said. The data is to be used as comparisons for future studies of the streams. Hopkins wrote a paper about her study and presented it at the Missouri Academy of Science. The abstract was published in its journal.

In her second project she studied seeds of four types of grasses found at Carver.

"We wanted to see if the plants were putting their energy into seed production or vegetative growth," she said. The study was important to Carver because it was to restore the prairies of the park to their original shape.

"I would encourage every student to do a project if they have the opportunity," said Hopkins. "It is so rewarding. It gives you a way to apply your classroom knowledge to something outside school."

She feels the projects are especially good experience for those who plan to attend graduate school. According to Hopkins, graduate schools look for persons who have done projects and have been published.

Hopkins feels the most difficult part of the entire project was "writing the paper."



Acid Rain

Julie Fahrig's project involves collecting soil samples to analyze the effects of acid rain.
(Chart photo by Barb Fullerton)



Intramurals

Racquetball

(Mixed Doubles Championship)

Mike McQuality-Lelani Isaacs def. Eric Corcoran-Laura Donathi 15-5, 15-10

(Women's Doubles Championship)

Leilani Isaacs-Lisa Funderburk def. Cathy Fleetwood-Laura Donati 15-8, 15-6

(Men's Doubles Championship)

Mike McQuality-Mike Durbin def. Brian Babbitt-Mark Gandara 15-5, 15-10

Softball

A coed tournament is currently underway.

Golf

Deadline to register for a 3-man scramble and an individual tournament is tomorrow. The 3-man scramble, which costs \$15 per team, will be held April 25 at

Baseball

Upcoming Games

(Home games in all caps)

4/13	SW Missouri	1:00
4/15	EVANGEL	6:00
4/16	Central Mo.	1:00
4/21	Mo. Western	1:30
4/22	Evangel	1:00
4/25	HARRIS-STOWE	6:00
4/26	CSIC Tourn.	TBA
4/27	CSIC Tourn.	TBA
5/1	SW MISSOURI	6:00

Softball

Upcoming Games

(Home games in all caps)

4/15	SW Baptist	3:00
4/18	NW Missouri	3:00
4/18	Central Mo.	4:30
4/19	MW Invitat.	TBA
4/19	MW Invitat.	TBA
4/23	Pittsburg St.	3:30
4/26	CSIC Champ.	TBA
4/27	CSIC Champ.	TBA

Football

1985 Schedule

(Home games in all caps)

9/7	ARK. TECH	7:30
9/14	NW OKLA.	7:30
9/21	SW Oklahoma	7:30
9/28	Washburn	1:30
10/5	Pittsburg St.	7:30
10/12	EMPORIA ST.	1:30
10/19	Kearney St.	1:30
10/26	MO. WESTERN	1:30
11/2	FT. HAYS ST.	1:30
11/9	Wayne St.	1:30

Soccer

1985 Schedule

(Home games in all caps)

8/31	ALUMNI	7:30
9/7	NE MISSOURI	4:00
9/10	SW Missouri	3:00
9/13	Rockhurst	3:30
9/17	BARTLESVILLE	7:30
9/19	N.EASTERN	7:30
9/21	MO. BAPTIST	1:30
9/25	AVILA	3:30
9/27	MSSC CLASSIC	TBA
9/28	MSSC CLASSIC	TBA
10/2	MO-ROLLA	3:30
10/5	BETH. NAZ.	1:30
10/9	Park	3:00
10/11	William Jewell	3:00
10/15	TULSA	7:30
10/19	HARRIS-STOWE	1:30
10/23	John Brown	3:00
10/26	Tarkio	1:30
10/30	Ottawa	3:00
11/2	Benedictine	2:30

NOTE: Tickets for Kansas City Royals baseball games are on sale in the student activities office at Missouri Southern. The office is located on the lower floor of the Billingsly Student Center. Ticket prices range from \$2 to \$9.

The Sports Scene

Victory over Emporia boosts record to 20-7

Lana Baysinger gains eighth season shutout

Only nine hits were allowed by the Lady Lions' pitching staff Tuesday in doubleheader action at Bassman Field, boosting Southern's record to 20-7 for the season.

"We picked up our 11th shutout out of 27 games," said coach Pat Lipira. "Lana Baysinger has eight shutouts for the season."

"It was good to beat Emporia, because they were district champions the past two years," said Lipira.

Baysinger, 10-3, allowed only four singles in the 5-0 victory over Emporia State. She struck out three and had no walks.

In the first game, teammates Kathy Howard and Becky Fly belted two home runs to secure the win.

"In the first game shortstop Renee Livell was injured on an opponent's steal attempt. That was a great concern, because she wasn't able to play the second game," said Lipira.

In the second game Cherly Shelby allowed only five hits, walked two, and struck out one in pushing her record to 10-4 as the Lady Lions beat Northeastern Oklahoma State University of Tahlequah 5-4.

Last weekend ninth-ranked Southern was able to finish a rain-shortened two-day tournament with a 4-1 record.

Due to the weather Columbia College left, leaving a seven-team tourney.

Before coming into the round-

robin the Lady Lions had won their last seven of eight games.

Shelby, supported by a 11-hit attack, tossed a two-hitter ousting William Jewell 10-0 in five innings in the NAIA District 16 round-robin.

Shelby struck out three and walked only one in hiking her record to 8-3.

The Lady Lions had six hits—two triples from shortstop Renee Livell and two hits apiece from left fielder Kathy Howard and first baseman Lori Holzwarth. Holzwarth scored twice and collected three RBIs.

Livell scored three times and right fielder Sheri Dalton had two RBIs.

The Lions scored four runs in the bottom of the fourth with Dalton's two-run double.

Southern won three shutouts in Saturdays round-robin tournament.

Missouri Western, 5-0 in the tourney, handed Southern its only loss of the tournament, 2-0.

Sophomore right-hander Baysinger pitched the Lady Lions to a 3-0 victory over Tarkio College and a 5-0 win over Culver Stockton. Southern finished the day with a eight inning 2-0 victory over Missouri Baptist.

The Lady Lions and Missouri Baptist managed just two hits apiece in the finale.

Southern advanced just one runner as far as second base before the tie breaking procedure was in-

itiated in the eighth.

In the tiebreaker, the batter who made the last out of the previous inning starts the next frame at second base. Kathy Howard opened the Lady Lions' eighth at second and advanced to third on Becky Fly's bunt.

After Holzworth walked, Howard scored.

Shelby threw out the lead runner on a bunt attempt. Shelby then capped her two-hitter with a strikeout and an infield popup.

Shelby also allowed just two hits against Western, but the Griffs capitalized on a pair of walks.

Cindy Lauth's one-out single to center field in the sixth was the Lady Lions' only hit. Lauth drove in three runs in Southern's victory over Culver-Stockton. She had an RBI triple in the fourth and a two-run single in the fifth.

Baysinger scattered four hits and Southern scored twice in the first inning against Tarkio. A walk by Sheila Hunter, a sacrifice fly by Lisa Cunningham and a Tarkio error set up Fly's two run single.

Winning pitcher Baysinger added a run in the fifth when she led off with a triple and scored on Hunter's grounder to third.

Southern plays tomorrow at 9 a.m. at the Washburn Invitational and again on Saturday.

"We play the toughest team first, which is good because we have been holding our opponents with good defensive pitching," said Lipira.

Lion's split NAIA doubleheader

Langhauser pitches three-hitter to lead team past S of O 5-1

Firing a three-hitter, Steve Langhauser led Missouri Southern past School of the Ozarks 5-1 Saturday to salvage a split in an NAIA District 16 baseball double-header.

The Bobcats won the opener 2-0 behind the one-hit pitching of Scott Acker.

The split left S of O, defending district champions, with a 16-8 record. Southern is 16-16 overall and 9-3 against district opponents. The rivals divided 3-2 decisions in

Joplin on March 16.

Colon Kelly had the Lions' lone hit in the opening game, a two-out single in the sixth inning. Acker, beating the Lions for the second time this spring, struck out 11 and walked four.

Pitcher Dennis Shanks, 3-4, took the loss for the Lions. Shanks allowed only three hits, all singles, while walking four and striking out three.

In the opener, Southern took a 1-0 lead in the second inning when

Kevin Marsh slammed the first of his two doubles, went to third base on a bunt, and scored on a sacrifice fly by Chris Adams.

Brian Taylor led off the fourth with a solo home run. After Mike DiCenso and Shanks singled, Kelly belted a two-run double.

The Lions added a run with a two out rally in the seventh. Kelly singled, stole second, and scored on Marsh's second double.

Golfers win William Jewell tourney

Four Missouri Southern golfers broke 80 last weekend as the Lions won the William Jewell Invitational at Claycrest Golf Club in Liberty, Mo.

Under the coaching of Randy Sohosky, the Lions were able to take a nine-shot lead in the first round of the Invitational on Friday.

"The boys," Sohosky said, "played very well. We had four boys under 80 and with the weather conditions I was very pleased. They had practiced in rain before, so it

wasn't anything new for them."

The Lions led the 23-team field with a 308 total, followed by Central Iowa with 312, and Emporia State with 314.

Lowell Catron, a freshman from Carthage, led the Lions with a 75, followed by Mark Unger with 76, Doug Harvey with 78, Bryon Keith with 79 and Tim Judd with 82.

On Saturday, first-place finisher Unger and fourth-place finisher Harvey enabled the Lions to hold off Central College of Iowa to

clinch the William Jewell Invitational.

"On the second day," Sohosky said, "Central Iowa had a two-shot lead for that day, but we had a four-shot lead from the day before. The seniors really carried us through."

Southern was leading by four strokes after Friday's opening round.

The Lions shot 304 to finish 612 to the Iowans' 614.



Safe?

A Lady Lion player slides into second during a regular-season game last week. (Chart photo by Lisa Bottono)

Alumni game to end football Lions' season

Frazier describes weekend as 'social'

Spring practice has ended for the Lions' football team, and for the grand finale the Alumni game will be played this Saturday at Fred Hughes Stadium at 2:30 p.m.

This is the fourth year the Alumni game has been played at Southern.

"We extend invitations to past alumni and then they let us know if they would like to participate," said head coach Jim Frazier. "We try to get those loyal to Missouri Southern to come back to campus."

Frazier describes it as more of a social weekend to have former players become better acquainted with current players.

There are a schedule of events taking place for the alumni. First

there will be a clinic at 4 p.m. tomorrow in which there will be several speakers.

On Saturday, there will be a formal practice, alumni lunch, a spouse's cooking class, and then the game.

After the game, there will be a barbecue for the alumni.

At the luncheon the announcement of the Hall of Fame inductees will be given. The initial ceremony for the Hall of Fame members will be at the fall football homecoming.

Head coach for the Alumni team is Marty Galbraith, who graduated in 1972. Former trainer Jim Wright, who graduated in 1971, will be participating.

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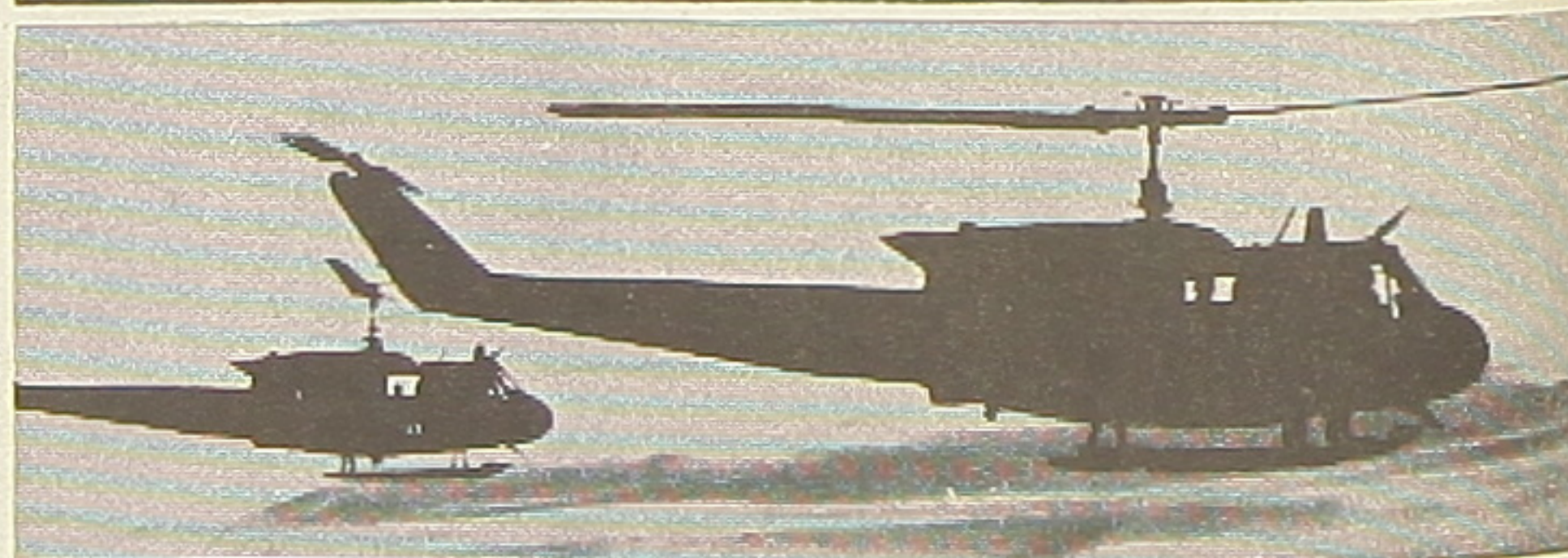
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Column

Continued from page 4

an extracurricular activity are non-majors. This means that the College is serving its purpose in providing each student with a well-rounded outlook on life.

At Missouri Southern, there are plenty of activities in which the student may participate. The faculty (not necessarily the administration, if what you're doing isn't status quo) is always willing and even eager to help. The problem seems to lie with the students, and really only the students can correct it, because the students, in the long run, make the College what it is.

It's your job to seek different things out and expose yourself to them. Experience the different outlooks on life provided by Republicans (or Democrats if you're not one), gays, and all the other people from all walks of life that are found here. Expose yourself to the new books in the library, to the art in Spiva Center, to the numerous musical events on campus (usually free to students), and to anything else that interests or disgusts you. Don't be afraid to enter other departments—how else

do you expect to learn? College is the place where making a "fool" of yourself is OK, it just means you are in the learning process.

A B.S. or B.A. degree is nothing but a worthless piece of paper. The value of the college experience lies in what has changed inside you. It lies in the broadened outlook you have on life. If you don't have that outlook, that liberal arts perspective, and you hold a degree, then you are the perfect example of why the degree is nothing but a worthless piece of paper. Only you can give it true meaning.

College is a seed. You plant it and cultivate it, and one day you end up with a massive oak tree where once there was bare soil. But you have to make the effort to tend it. If you don't, one day, four or five or six years from now, whether you graduate or not, all you will have to show for your time is a dying weed patch. So, while you're still here, and there's still time, give this school your input. That way, when you leave, you will have far more than credit hours or a degree; you'll have an education.